

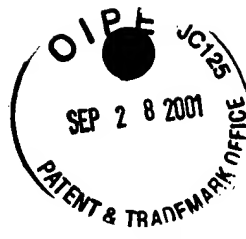
EXPRESS MAIL CERTIFICATE

Date 9/28/01 Label No. EV000505746-US

I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Assistant Commissioner for Patents, Washington, DC 20231 by "Express Mail Post Office to Addressee" service.

D. Perez  
Name (Print)

D. Perez  
Signature



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Customer No.:



07278

PATENT TRADEMARK OFFICE

Docket No.: 2681/OJ661

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Lior SHABAY, Yoram SHAMIR; Leonid SHMULEVICH; Ofir FRIEDMAN;  
Yaron RAZ; Zacky PICKHOLZ

Serial No.: 09/918,278

Group Art Unit: 2184

Filed: July 30, 2001

Examiner: Not yet assigned

For: **PATH REROUTING MECHANISM UTILIZING MULTIPLE LINK  
BANDWIDTH ALLOCATIONS**

September 28, 2001

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of  
Patents and Trademarks  
Washington, DC 20231

Sir:

This Information Disclosure Statement is submitted in accordance with  
37 C.F.R. 1.97, 1.98, and it is requested that the information set forth in this  
statement and in the listed documents be considered during the pendency of the

above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

1. This IDS should be considered, in accordance with 37 C.F.R. 1.97, as it is filed: (Check one of the boxes A-D)

- ☒ A. Within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application.
- ☐ B. before the mailing date of a first office action on the merits, or a first office action after filing a request for continued examination.
- ☐ C. after (A) and (B) above, but before the mailing date of a final rejection, a notice of allowance, or any other action that closes prosecution, and Applicants have made the necessary statement in box "i" below or paid the necessary fee in box "ii" below.  
(check one of the boxes "i" and "ii" below:)
  - ☐ i. Counsel states that, upon information and belief, each item of information listed herein was either (a) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or (b) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.
  - ☐ ii. A check for the fee set forth in 1. 17(p), presently believed to be \$180, is enclosed.
- ☐ D. after (A), (B) and (C) above, but before payment of the issue fee: Counsel states that, upon information and belief, each item of information listed herein was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the IDS; or (ii) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.
  - ☐ i. A check for the fee set forth in 1.17 (p), presently believed to be \$180, is enclosed.

2. In accordance with 37 C.F.R. 1.98, this IDS includes a list (e.g., form PTO-1449) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below.

(check boxes A and/or B and fill in blanks, if appropriate.)

- ☐ A. Document(s) \_\_\_\_\_ is (are) deemed substantially cumulative to document(s) \_\_\_\_\_, and, in accordance with 1.98(c), only a copy of each of the latter documents is enclosed.
- ☐ B. Certain documents were previously cited by or submitted to the Office in the following prior applications, which are relied upon under 35 U.S.C. 120:

[SERIAL NO. & FILING DATE].

Applicant Identifies these documents by attaching hereto copies of the forms PTO-892 and PTO- 1449 from the files of the prior application(s) or a fresh PTO- 1449 listing these documents, and request that they be considered and made of record in accordance with 1.98(d). Per 37 CFR 1.98(d), copies of these documents need not be filed in this application.

☐ 3. Document(s) \_\_\_\_\_ are not in the English language. In accordance with 1.98(c), Applicant states:

- ☐ An English translation of each document (or of the pertinent portions thereof), or a copy of each corresponding English-language patent or application is enclosed.
- ☐ A concise explanation of the relevance of document(s) \_\_\_\_\_ is found in the attached search report (see MPEP § 609 A(3)x).
- ☐ A concise explanation of the relevance of document(s)

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\_\_\_\_\_ is set forth as follows: [Insert concise explanation of relevance]

☐ A concise explanation of the relevance of document(s) \_\_\_\_\_ can be found on page(s) \_\_\_\_\_ of the specification.

☐ A concise explanation of document(s) \_\_\_\_\_ can be found on the attached sheet.

☐ 4. No explanation of relevance is necessary for documents in the English language (see MPEP § 609 A(3)).

☐ 5. Other information being provided for the examiner's consideration follows:

6. In accordance with 37 C.F.R. 1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of' the item and Applicant reserves the right to prove that the date of publication is in fact different.

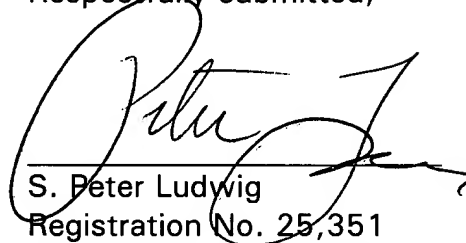
**CROSS REFERENCE UNDER 37 C.F.R. §1.78 TO RELATED APPLICATIONS**

Pursuant to 37 C.F.R. § 1.79, Applicant notes that the above-identified patent application may be related to the following U.S. Patent Applications:

(1) U.S. Patent Application Serial No \_\_\_\_\_, filed \_\_\_\_\_.

Early and favorable consideration is earnestly solicited.

Respectfully submitted,

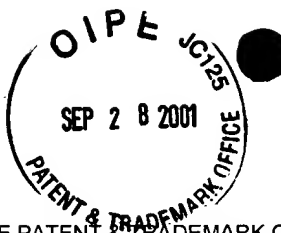
A handwritten signature in black ink, appearing to read "Peter Ludwig", written over a horizontal line.

S. Peter Ludwig  
Registration No. 25,351  
Attorney for Applicant(s)

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Docket No. 2681/OJ661

**LIST OF REFERENCES CITED BY APPLICANT**

(Use Several Sheets if Necessary)

DOCKET NO.: 2681/OJ661 SERIAL NO: 09/918,278  
 APPLICANT: Lior SHABTAY et al. FILING DATE: July 30, 2001  
 CONFIRMATION NO: 2408

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 Group 2100

**U.S. PATENT DOCUMENTS**

| <u>*EXAMINER INITIALS</u> | <u>DOCUMENT NUMBER</u> | <u>DATE</u> | <u>NAME</u> | <u>CLASS</u> | <u>SUBCLASS</u> | <u>FILING DATE</u> |
|---------------------------|------------------------|-------------|-------------|--------------|-----------------|--------------------|
|                           | 1. 5,856,981           | Jan. 1999   | Voelker     | 371          | 20.1            |                    |
|                           | 2. 5,590,118           | Dec. 1996   | Nederlof    | 370          | 218             |                    |

**FOREIGN PATENT DOCUMENTS**

| <u>*EXAMINER INITIALS</u> | <u>DOCUMENT NUMBER</u> | <u>DATE</u> | <u>COUNTRY</u> | <u>CLASS</u> | <u>SUBCLASS</u> | <u>TRANSLATION</u>   |
|---------------------------|------------------------|-------------|----------------|--------------|-----------------|----------------------|
|                           |                        |             |                |              |                 | <u>YES</u> <u>NO</u> |

**OTHER REFERENCES****(INCLUDING AUTHOR, TITLE DATE, PERTINENT PAGES, ETC.)**

\*EXAMINER INITIALS

3. Internet Engineering Task Force Draft, "draft-gan-fast-reroute-00.txt." "A METHOD FOR MPLS LSP FAST-REROUTE USING RSVP DETOURS", April 2001.
4. Internet Engineering Task Force Draft, "draft-chang-mpls-rsvp-path-protection-ext-01.txt," "EXTENSIONS TO RSVP-TE FOR MPLS PATH PROTECTION", November 2000.
5. Internet Engineering Task Force Draft, "draft-swallow-rsvp-bypass-label-01.txt," "RSVP LABEL ALLOCATION FOR BACKUP TUNNELS", November 2000.
6. Internet Engineering Task Force Draft, "draft-iwata-mpls-shared-fastreroute-00.txt," "MPLS SIGNALING EXTENSIONS FOR SHARED FAST REROUTING", July 2001.
7. Internet Engineering Task Force Draft, "draft-kini-restoration-shared-backup-01.txt," "SHARED BACKUP LABEL SWITCHED PATH RESTORATION", May 2001.

**LIST OF REFERENCES CITED BY APPLICANT**

(Use Several Sheets if Necessary)

DOCKET NO.: 2681/OJ661 SERIAL NO: 09/918,278  
APPLICANT: Lior SHABTAY et al. FILING DATE: July 30, 2001  
CONFIRMATION NO: 2408

**\*EXAMINER  
INITIALS**

8. Internet Engineering Task Force Draft, "draft-kini-isis-lsp-restoration-00.txt," "INTERMEDIATE SYSTEM TO INTERMEDIATE SYSTEM (IS-IS) PROTOCOL EXTENSIONS FOR LABEL SWITCHED PATH RESTORATION", November 2000.
9. Internet Engineering Task Force Draft, "draft-kini-ospf-lsp-restoration-00.txt," "OPEN SHORTEST PATH FIRST (OSPF) PROTOCOL EXTENSIONS FOR LABEL SWITCHED PATH RESTORATION", November 2000.
10. Internet Engineering Task Force Draft, "draft-ietf-mpls-recovery-frmwk-02.txt," "FRAMEWORK FOR MPLS-BASED RECOVERY", March 2001.
11. Internet Engineering Task Force Draft, "draft-chang-mpls-path-protection-02.txt," "A PATH PROTECTION/RESTORATION MECHANISM FOR MPLS NETWORKS", November 2000.
12. Internet Engineering Task Force Draft, "draft-katz-yeung-ospf-traffic-03.txt," "TRAFFIC ENGINEERING EXTENSIONS TO OSPF", September 2000.
13. Internet Engineering Task Force Draft, "draft-haskin-mpls-fast-reroute-05.txt," "A METHOD FOR SETTING AN ALTERNATIVE LABEL SWITCHED PATHS TO HANDLE FAST REROUTE", November 2000.

EXAMINER: \_\_\_\_\_

DATE CONSIDERED: \_\_\_\_\_

**\*EXAMINER:**

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.